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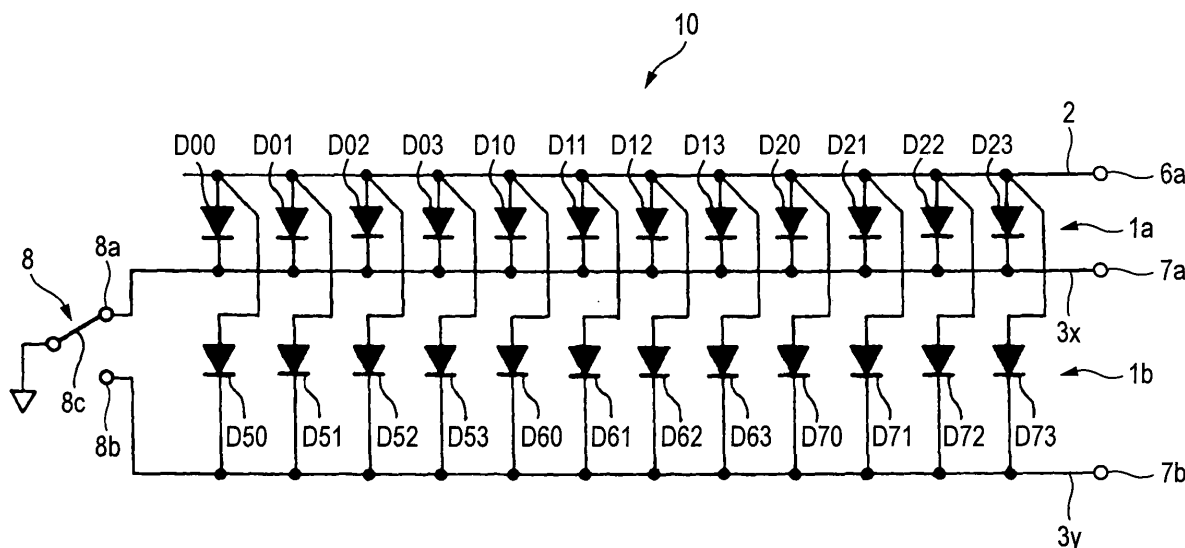
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(54) **Line head and image forming apparatus incorporating the same**

(57) A first power line (2) is adapted to be electrically connected to a power source. A second power line (3) is adapted to be grounded. A plurality of photo emitters (1a,1b) are arrayed in a first direction, each of which is

electrically connected between the first power line and the second power line by way of a connection line. The photo emitters includes at least one photo emitter provided with a connection line having a resistance different from another.

FIG. 10





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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
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	-/--		
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 31 October 2005	Examiner Vorwerg, N
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EUROPEAN SEARCH REPORT

Application Number
EP 05 00 2770

DOCUMENTS CONSIDERED TO BE RELEVANT			
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			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
The present search report has been drawn up for all claims			
Place of search Munich		Date of completion of the search 31 October 2005	Examiner Vorwerg, N
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EPO FORM 1503 03/02 (P04C01)

**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing more than ten claims.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims and for those claims for which claims fees have been paid, namely claim(s):
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for the first ten claims.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- ☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:



The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-4,6,10,11,13-15

Problem: How to correct variation of luminance by a simple processing?

Solution: Provide cutout portion on connection/feeding line.

2. claims: 5,12

Problem: How to correct variable luminance caused by manufacturing factors?

Solution: Provide connection/power lines having different resistance due to different widths.

3. claims: 7,8

Problem: Suppress influence of a fluctuation in the electric potential of the power line for each photo emitter.

Solution: Increase number of feeding points by providing a second FPC.

4. claim: 9

Problem: Suppress influence of a fluctuation in the voltage of the power line for the photo emitter.

Solution: Provide a second substrate, on which a first auxiliary power line and a second auxiliary power line are provided.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 05 00 2770

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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31-10-2005

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